

1 1. A system, comprising:

2 a bus;

3 a plurality of clients coupled to the bus;

4 a memory coupled to the bus and shared by the plurality of clients;

5 a bus arbiter coupled to the bus, such bus arbiter granting access to the bus to
6 the clients responsive to "address retry" conditions induced on the bus by such
7 clients.

1 2. A method comprising granting access to a bus to bus-coupled clients and a

2 common memory resource shared by the clients in accordance with "address retry"
3 conditions induced on the bus by such clients.

1 3. A system, comprising:

2 a bus;

3 a plurality of clients coupled to the bus;

4 a memory coupled to the bus and shared by the plurality of clients;

5 a bus arbiter coupled to the bus, such bus arbiter granting access to the bus in
6 response to whether one of the requesting clients experienced an "address retry"
7 condition during its previous bus access, and if so, granting such one of the
8 requesting clients access to the bus; otherwise providing bus access to the
9 requesting one, or ones, of the clients based on a criteria independent of "address
10 retry" conditions being induced on the bus.

1 4. A system, comprising:

2 a bus;

3 a plurality of clients coupled to the bus;

4 a memory coupled to the bus and shared by the plurality of clients;

5 wherein each one of the clients is capable of inducing an "address retry"
6 condition on the bus, such condition occurring when a memory address introduced
7 onto the bus during a bus access by one of the clients points to a data location in such

8 memory currently being utilized by another one of the clients, such other one of the
9 clients being the client inducing the "address retry" condition on the bus;

10 a bus arbiter coupled to the bus, such bus arbiter being responsive to bus
11 access requests from one or ones of such clients for granting access to the bus, such
12 bus access by one of such clients being used to transfer data between the client and
13 the memory, such bus arbiter providing access to the bus in response to whether one
14 of the requesting clients experienced an induced "address retry" condition during its
15 previous bus access and, if so, granting such one of the requesting clients access to
16 the bus; otherwise, such bus arbiter providing bus access to the requesting one or ones
17 of the clients based on criteria independent of an "address retry" condition being
18 induced on the bus.